

Implementing Asset Management: Successes, pitfalls and gaps

Federal Asset Leadership Week
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Lightning arresters



The impossible dream

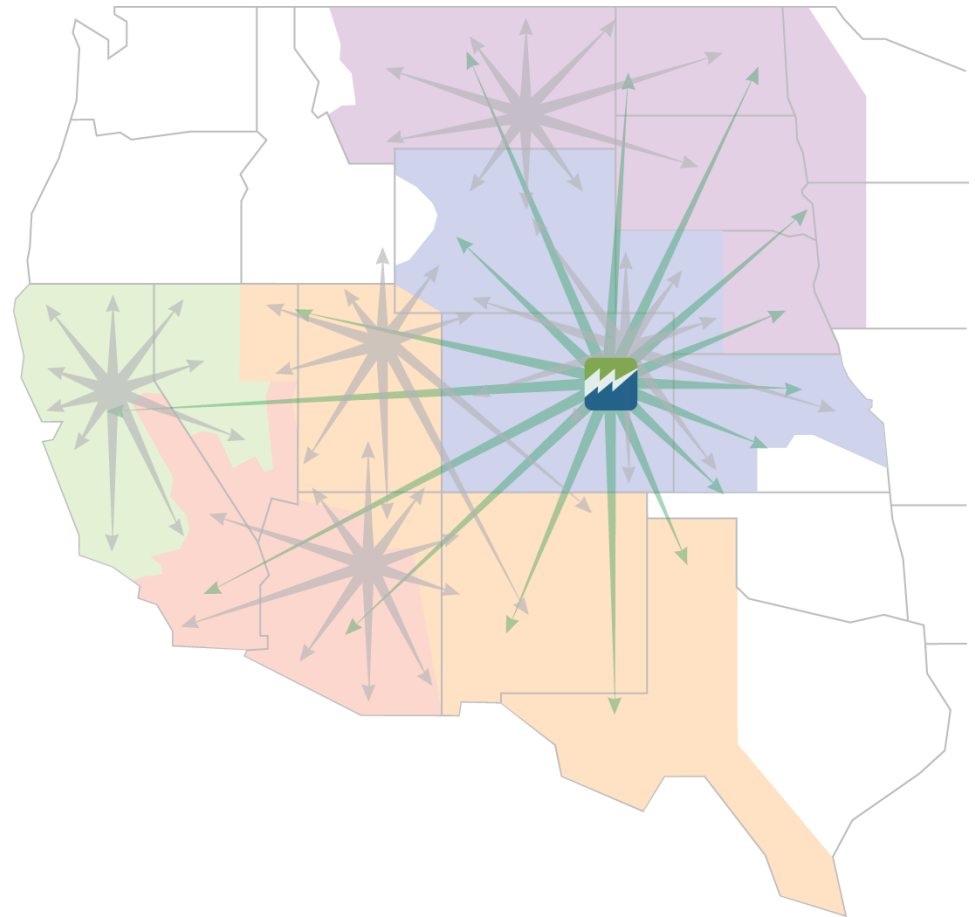
Define Asset Management without
using the words “asset” or “management”

ISO 55000:
“The coordinated activity
of an organization
to realize value from
assets”



Who we are

- Part of DOE
- One of four PMAs
- Wholesale electricity provider
- Operate as utility
- 15-state footprint
- 49 offices
- 700+ customers



What we manage

- \$4.3 billion in assets
- 177,000 structures
- 17,231 miles of transmission line
- 319 substations
- 297 transformers
- 665 buildings
- 479 communication sites

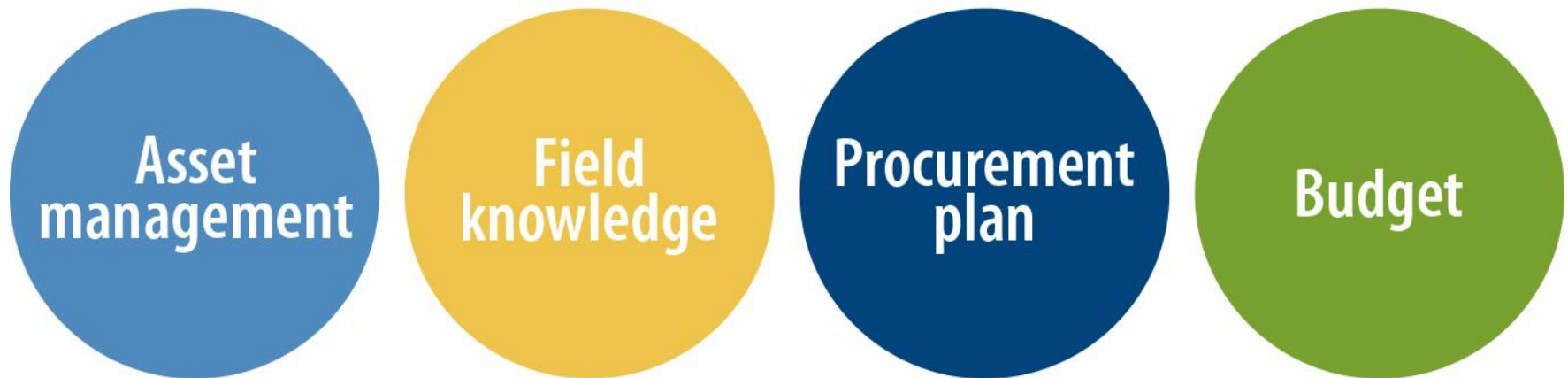


Utility industry

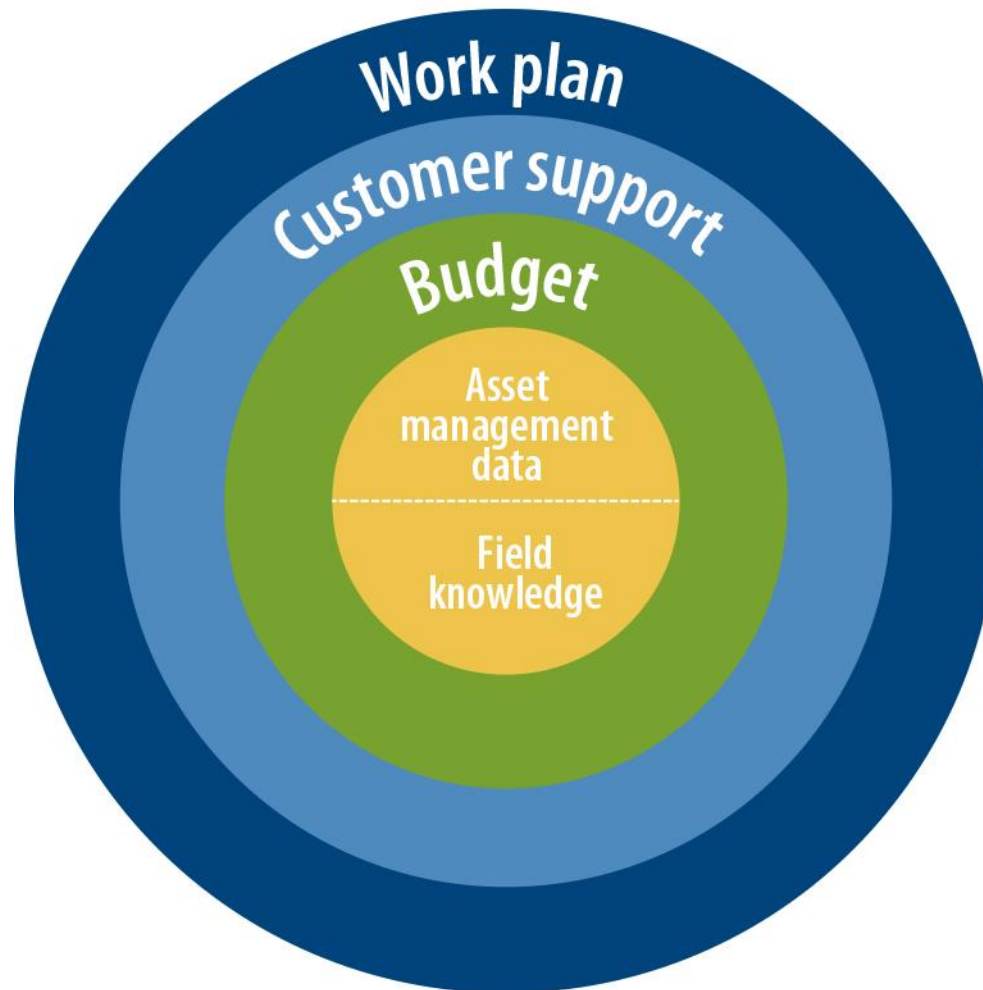
- U.S. power supply network is the largest, most complex machine ever created
- Engages enterprise involving:
 - 5,000 corporate entities
 - Several forms of ownership and levels of regulatory oversight
 - Some 100 million customers
- Satisfies conflicting economic, social, political and environmental objectives



Current world view



Where we need to be



What does it take?

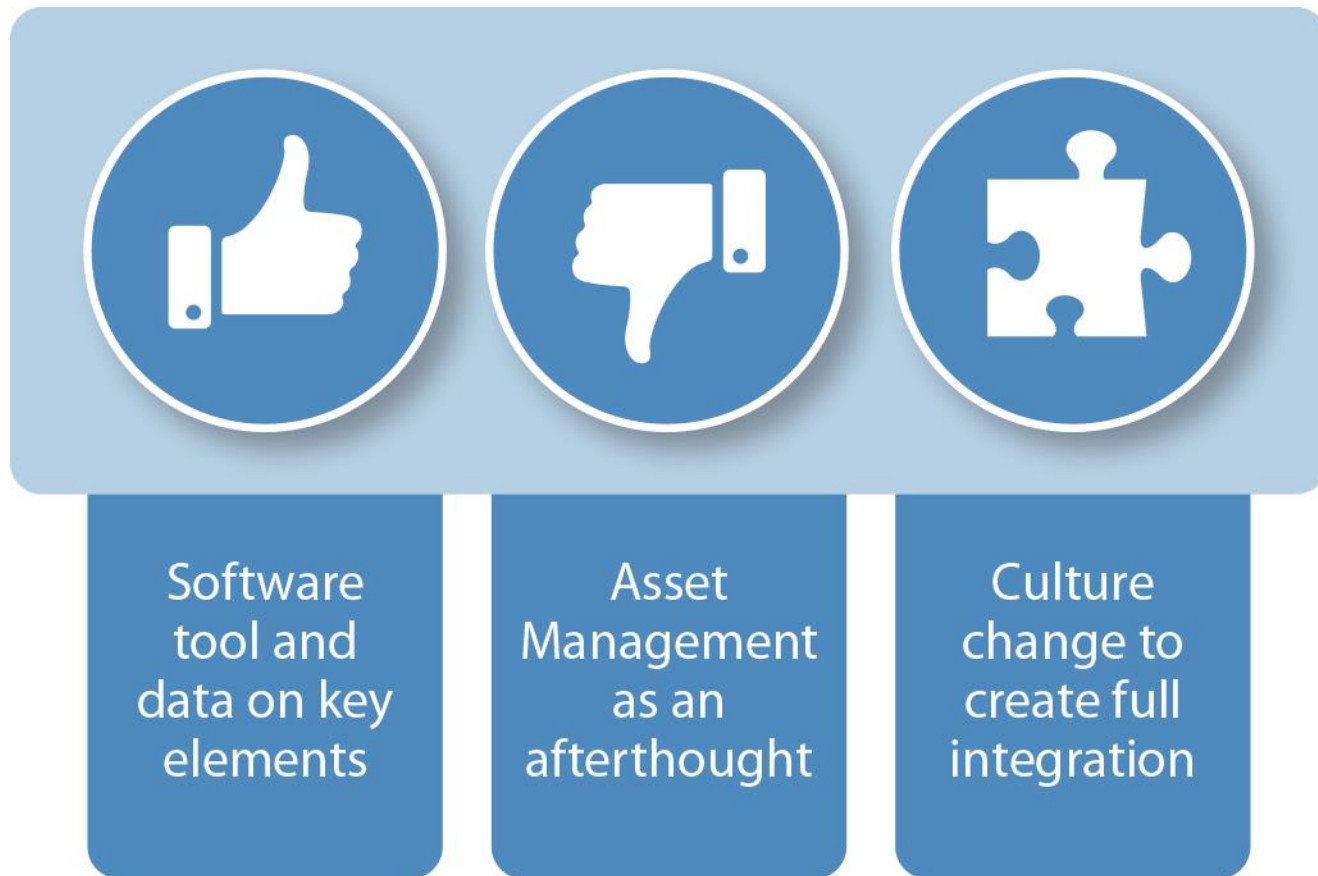


Vision for Asset Management

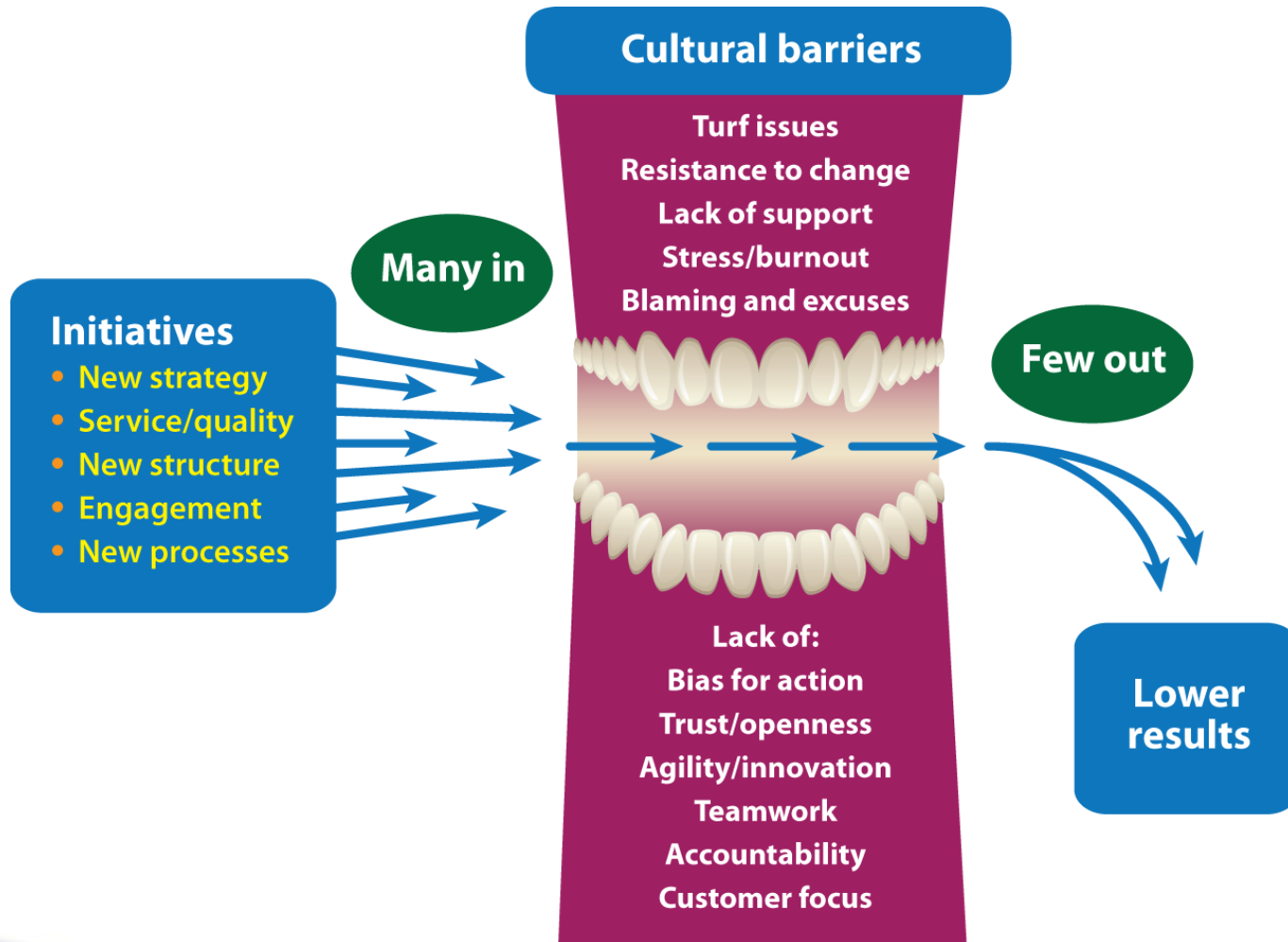
Complete integration of all assets to understand necessary investments for just-in-time capital projects



Quick assessment

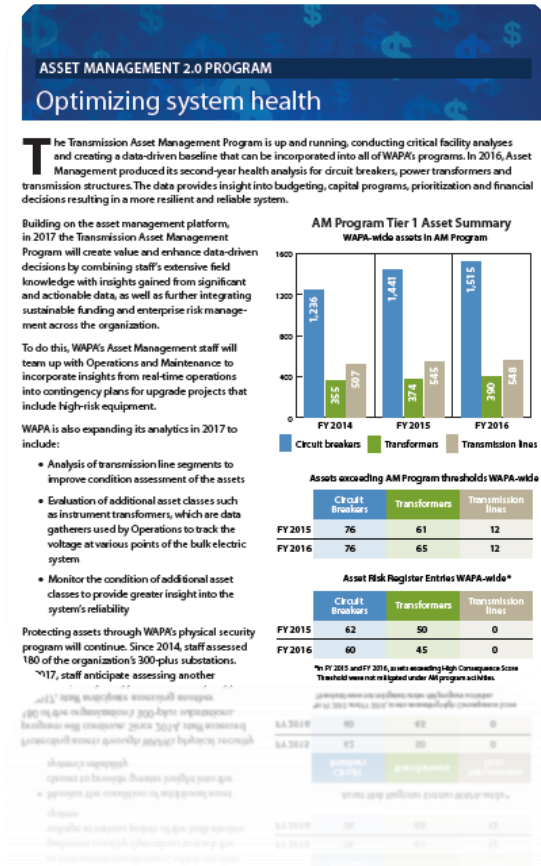


Culture change



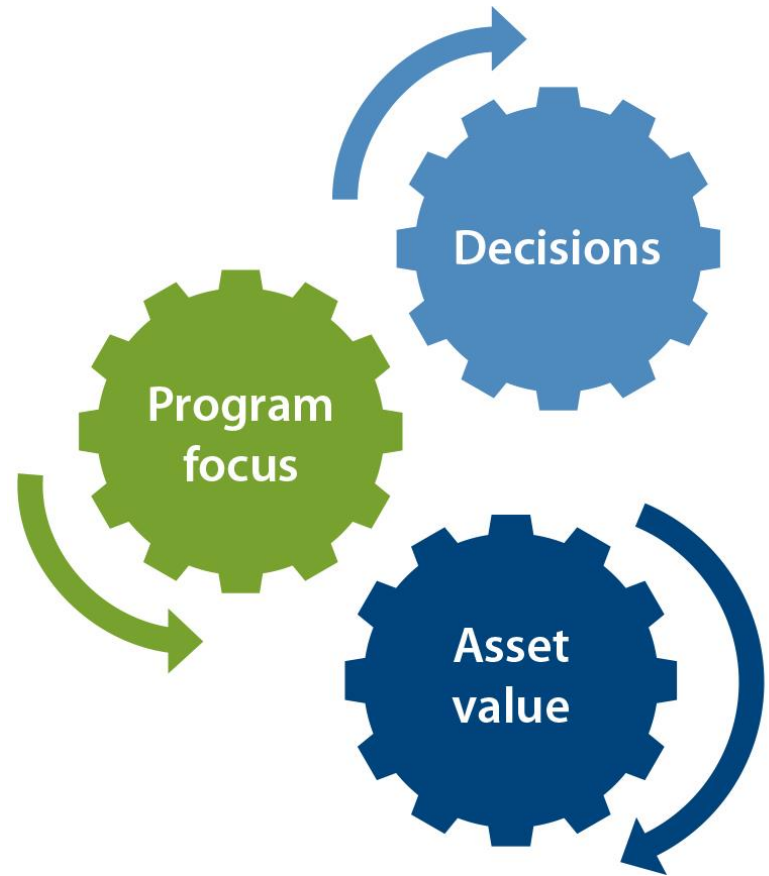
Asset Management at WAPA

- 4-year improvement project
- Where we were vs. where we needed to be
- New organization – 15 people
 - Asset Management
 - Reliability Centered Maintenance Program
 - Computerized Maintenance Management System = MAXIMO
- Data analytics

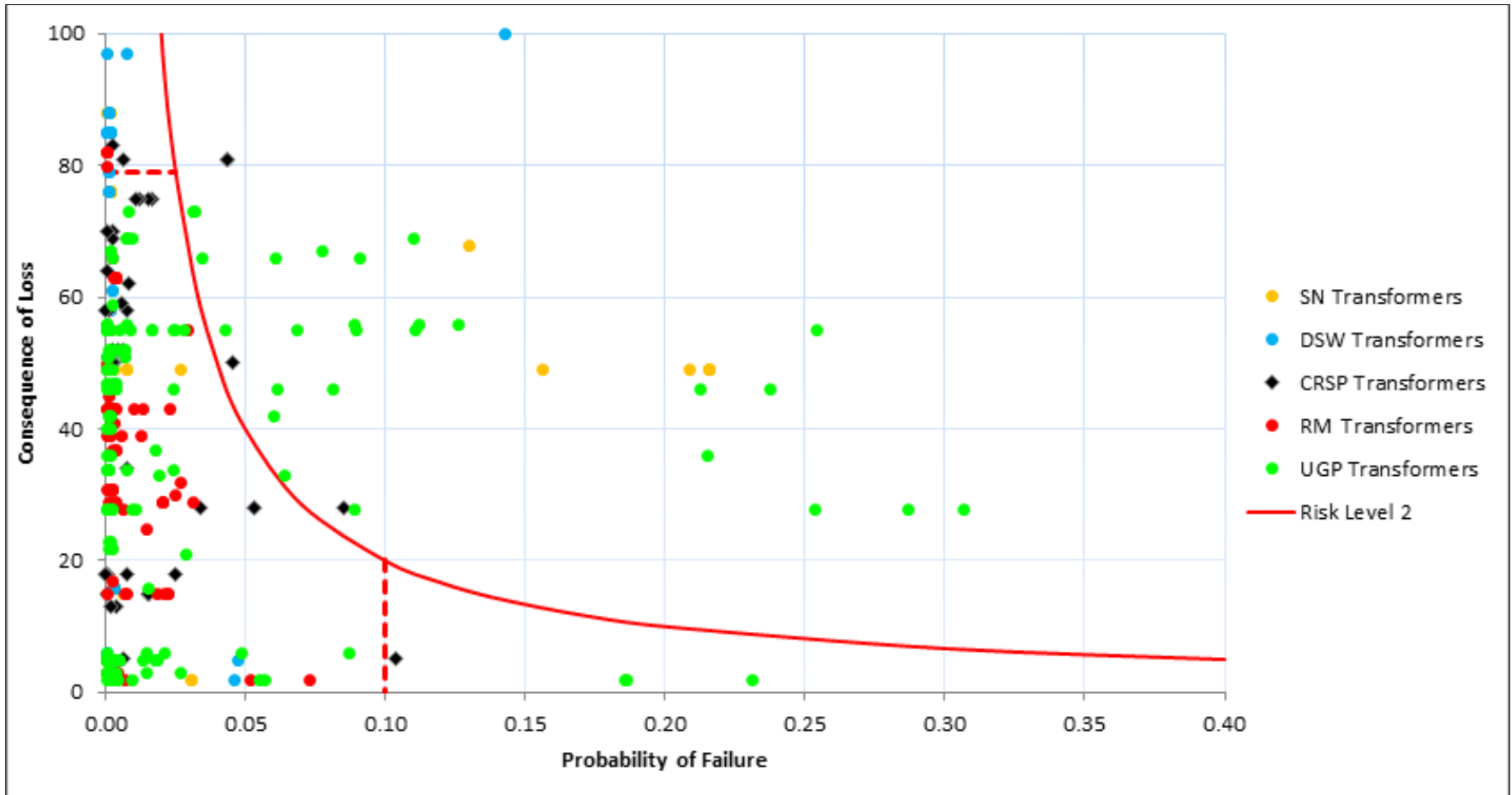


Program priorities

- Assess risk to transmission facilities
- Identify areas where reliability is jeopardized
- Maximize value of enterprise assets

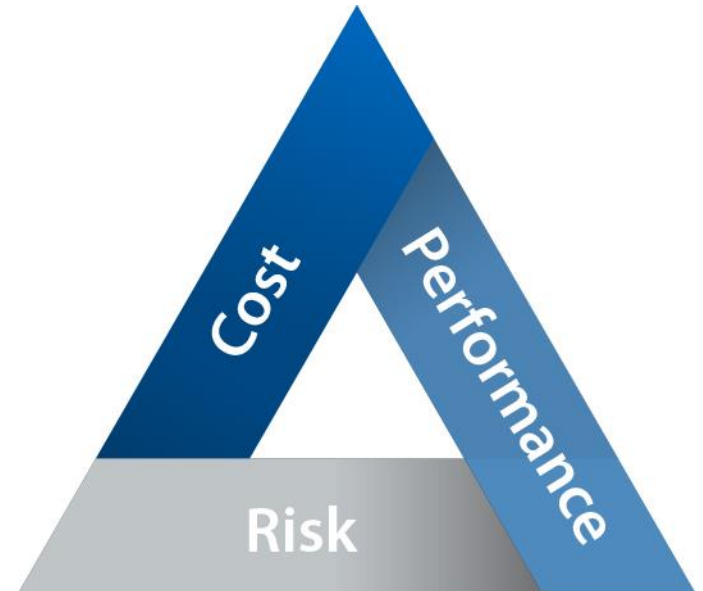


2015 transformer risk



Leadership needed

- Managing assets vs. asset management
 - Create long term value for organization
 - Develop competence and capability across workforce
 - Understand and mitigate business risks



Key takeaways

Focus on value and business excellence.
Be aware of industry trends and changes.
Continue delivering on mission.



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